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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/783,443

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Douglas G. Seymour

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7590

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EXAMINER

ZARROLI, MICHAEL C

ART UNIT

PAPER NUMBER

2839

DATE MAILED: 01/10/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/783,443

Applicant(s)

SEYMOUR ET AL.

Examiner

Michael C. Zarroli

Art Unit

2839

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 20 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 February 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input checked="" type="checkbox"/> Other: <u>dic. def.</u>                          |

## DETAILED ACTION

### *Drawings*

1. The drawings are objected to because the cross hatching shown in figure 2 does not comply with the basic requirements of the drawing section of MPEP 600.

**The examiner appreciates the applicant's attempt to distinguish the different layers in figure 2. Nonetheless, insulators should have alternating *thick and thin* crosshatch lines while conductors (e.g. metals) have crosshatch lines all *the same thickness*.** Corrected drawing sheets in compliance with 37 CFR

1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement-drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency.

Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement

Sheet” in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the examiner does not accept the changes, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: **10. In addition, reference character 34 should be shown in figure**

2. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement-drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled “Replacement Sheet” in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the examiner does not accept the changes, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Specification***

3. The abstract of the disclosure is objected to because it is too long.

Correction is required. See MPEP § 608.01(b).

***Claim Objections***

4. Claims 2-5 are objected to because they include reference character 10 which are not enclosed within parentheses.

Reference characters corresponding to elements recited in the detailed description of the drawings and used in conjunction with the recitation of the same element or group of elements in the claims should be enclosed within parentheses so as to avoid confusion with other numbers or characters which may appear in the claims. See MPEP § 608.01(m).

5. Claim 1 objected to because of the following informalities: At the end of line 4 and line 9 there should be some type of punctuation like a semi colon. Also, there is no period at the end. Appropriate correction is required.

***Claim Rejections - 35 USC § 112***

6. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

7. Claims 1-5 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1 what does the term “exposed,” mean? How are these various components exposed and, what are they exposed too? Until the applicant clears this terminology up the examiner will interpret “exposed” to mean that the underlying layer has a section with no overlying layer outside of it.

Also in claim 1 the examiner does not understand what “terminus” means. The examiner has included a dictionary definition print out of terminus at the end of this action. Claim 1 recites that the braided conductor 18 has an exposed section, which the examiner guesses is the section of the braided conductor that thins out. The claim goes on the recite in line 4 that outer insulation 20 **begins at** the “terminus” (final point, end) of the braided conductors exposed section. Yet, figure 2 seems to show that the outer insulation 20 **ends at the beginning** of the braded conductors exposed section. The examiner will interpret as such.

The last line of claim 1 recites that metal shell extends “rearward of said sleeve.” What direction on the figures is forward and backward? The examiner will interpret the right side of figure 2 to be forward and the left side to rearward. Further, does this limitation mean that the metal shell covers the sleeve as appears in the figures or does it mean that the shell begins where the sleeve ends as the claim language seems to imply (“rearward of”)? The examiner will interpret these limitations as shown in the figures.

Claim 2 is not understood. If the intermediate portion is solid then are there sections of the contact that are liquid or mushy soft? Is the contact made of different materials depending on which part of the contact is being referenced? The examiner will give this claim little patentable weight and interpret the contact as only being solid throughout the contact.

***Allowable Subject Matter***

8. Claim 1 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

9. Claims 2-5 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

10. The following is a statement of reasons for the indication of allowable subject matter: The examiner will compare the best art he found against the sole independent claim in order to highlight patentable subject matter. Hosler Sr. et al teaches everything in claim 1 except:

- An electrically insulating member (Hosler 12) extending at least partway over the second section of the inner insulation (Hosler 44). Figure 6 of Hosler shows these two components nowhere near each other.
- An electrically conductive metal shell (Hosler 50/86) rearward of said conductive sleeve (Hosler 80 fig. 6). Figure 6 of Hosler shows these components butt against each not “rearward of said sleeve.”

See conclusion section below for more comparisons of art and claim 1 of the applicant.

### ***Conclusion***

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Morelli teaches inner insulation and outer insulation but no



eyelet. Nomura teaches a central conductor and electrical contact but without a hollow end and no inner insulation with an exposed section. Banning et al teaches a braided conductor but no outer insulation. Graver Jr. Et al teaches an inner insulation but no braided conductor or first contact. Follingstad et al (another good piece of art) teaches an eyelet but no braided conductor and no insulating member that extends at least partway over the inner insulation. Wong teaches a first electrical contact but no hollow second end and no electrically insulating member fitted over this contact. Malloy teaches inner and outer insulation but no electrical contact with a hollow second end and no electrical insulation member.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Zarroli whose telephone number is 571-272-2101. The examiner can normally be reached on 7:30 to 3:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, T.C. Patel can be reached on (571) 272-2800 ext 39. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Michael C. Zarroli  
Primary Examiner  
Art Unit 2839

*MCZ*  
MCZ